|   | Index of Claims |          |          |          |          |          |          |          |              |                              |            |       |          | Application No.         |                       |          |          |             |              |              |          |          |            | Applicant(s) |                |          |   |          |          |   |             |   |          |      |   |
|---|-----------------|----------|----------|----------|----------|----------|----------|----------|--------------|------------------------------|------------|-------|----------|-------------------------|-----------------------|----------|----------|-------------|--------------|--------------|----------|----------|------------|--------------|----------------|----------|---|----------|----------|---|-------------|---|----------|------|---|
|   | 1               |          |          |          |          |          |          |          |              |                              |            |       |          | 10/089,402              |                       |          |          |             |              |              |          |          |            |              | AKIYAMA ET AL. |          |   |          |          |   |             |   |          |      |   |
|   |                 |          |          |          |          |          |          |          |              |                              |            |       |          | Examiner                |                       |          |          |             |              |              |          |          |            |              | Art Unit       |          |   |          |          |   |             |   |          |      |   |
|   |                 |          |          |          |          |          |          |          |              |                              |            |       |          |                         | Peter Vincent Agustin |          |          |             |              |              |          |          |            |              | 2652           |          |   |          |          |   |             |   |          |      |   |
|   |                 |          |          |          |          |          |          |          |              |                              |            |       |          |                         |                       | _        |          |             |              |              |          |          |            |              |                |          |   |          |          |   | <del></del> |   |          |      |   |
|   | √ Rejected      |          |          |          |          |          |          |          | (1           | (Through numera<br>Cancelled |            |       |          |                         |                       |          | N        | Non-Elected |              |              |          | A        |            | Appeal       |                |          |   |          |          |   |             |   |          |      |   |
|   |                 |          | =        | Allowed  |          |          |          |          |              | ÷                            | Restricted |       |          |                         | j                     |          |          |             | Interfe      |              |          | fere     | rence      |              | 0              | Objected |   |          |          |   |             |   |          |      |   |
|   | Ci              |          | _        | Date     |          |          |          |          |              | _                            |            |       | Claim    |                         |                       |          | <br>     |             |              |              |          |          |            |              |                |          |   |          |          |   |             |   |          | 1    |   |
|   | Claim           |          |          |          |          |          |          |          |              |                              | $\dashv$   | Cli   |          |                         | $\neg$                | $\neg$   | 7        | ate         | 1            | $\neg \Box$  |          |          | <u>C</u> 1 | Claim _      | +              | Date     |   |          |          |   | -           | ı |          |      |   |
|   | Final           | Original | 10/7/04  | 6/15/05  |          |          |          |          |              |                              |            | Final | Original |                         |                       |          |          |             |              |              |          |          | Final      | Original     |                |          |   |          |          |   |             |   |          | ı    |   |
| • |                 | 1        | 1        | Ž        |          |          |          |          | E            | _                            |            |       | 51       |                         | _                     |          |          | -           | $\exists$    |              |          |          | -          | 101          | $\perp$        | _        |   |          |          |   | <b></b> -   |   |          |      | ٠ |
|   |                 | 3        | 1        | 4        | _        |          |          |          | <u> </u>     |                              |            |       | 52       |                         |                       | _        |          | _           |              | _            |          | _        |            | 102          |                |          |   |          |          |   |             |   |          |      |   |
|   |                 | 4        | 7        | +        |          |          |          | -        | -            |                              | H          | -     | 53<br>54 |                         | $\dashv$              | $\dashv$ | $\dashv$ | +           | $\dashv$     | +            | $\dashv$ | $\dashv$ | -          | 103<br>104   |                | -        | _ |          | $\dashv$ | _ |             |   |          | ı    |   |
|   |                 | 5        | √.       |          |          |          |          |          |              |                              |            |       | 55       |                         |                       |          | 1        |             |              | $\downarrow$ |          |          |            | 105          |                |          |   |          |          |   |             |   |          | ı    |   |
|   |                 | 6<br>7   | 1        | +        |          | $\vdash$ | -        |          | _            |                              | $\vdash$   | -     | 56<br>57 | -                       | _                     | $\dashv$ | 4        | 4           | $\downarrow$ | $\dashv$     | +        | -        | -          | 106<br>107   |                |          |   |          |          |   |             | _ |          | ı    |   |
|   |                 | 8        |          |          |          |          |          |          |              |                              |            | -     | 58       |                         | _                     | +        | 7        | +           | +            | +            | +        | -        | -          | 108          |                |          | - | _        |          |   |             |   |          | ı    |   |
|   |                 | 9        |          |          |          |          |          |          |              |                              |            |       | 59       |                         |                       | $\Box$   | $\Box$   |             |              |              | $\Box$   |          |            | 109          |                |          |   |          |          |   |             |   |          | ı    |   |
|   | -               | 10       | -        | +        | -        | $\dashv$ | Н        |          |              | -                            | H          | -     | 60<br>61 |                         |                       | +        | +        | 4           | 4            | _            | +        | -        | <u> -</u>  | 110<br>111   |                |          |   |          |          |   |             | _ |          | ı    |   |
|   |                 | 12       | -        |          |          | -        |          |          | -            |                              | $\vdash$   | -     | 62       |                         | -                     | +        | +        | $\dashv$    | +            | +            | +        | ᅱ        | -          | 112          |                | -        |   |          | -        |   |             |   |          | ı    |   |
|   |                 | 13       |          | 1        |          |          |          |          |              |                              |            |       | 63       |                         |                       | $\Box$   | 1        | I           | $\exists$    | $\Box$       |          | _        |            | 113          |                |          |   |          |          |   |             |   |          | ı    |   |
|   | }               | 14       | -        |          |          |          |          |          | _            | -                            | $\vdash$   | -     | 64<br>65 | -                       |                       | -        |          | +           | 4            |              | +        | $\dashv$ | -          | 114          | +              |          |   |          |          |   |             |   |          | ı    |   |
|   | -               | 16       |          | $\vdash$ |          |          |          | -        |              | -                            | $\vdash$   | -     | 66       | -                       | $\dashv$              | -        | +        | +           | +            | $\dashv$     | $\dashv$ | $\dashv$ | -          | 116          |                |          |   |          | Н        |   |             | - | -        | ı    |   |
|   |                 | 17.      |          |          |          |          |          |          |              |                              |            |       | 67       |                         |                       |          |          |             |              |              |          |          |            | 117          | T              |          |   |          |          |   |             |   |          |      |   |
|   |                 | 18<br>19 |          |          |          |          |          |          | _            | _                            | Н          | -     | 68       |                         |                       | _        | 4        | 4           | 4            | 4            | 4        | _        |            | 118          |                |          |   |          |          |   |             |   |          | ı    |   |
|   |                 | 20       |          |          |          | $\vdash$ | -        | -        | -            | -                            | $\vdash$   | -     | 69<br>70 |                         |                       | -        | ┰        | ┿           | +            |              | +        | $\dashv$ | $\vdash$   | 119<br>120   |                |          |   |          |          |   |             | - |          | ı    |   |
|   |                 | 21       |          |          |          |          |          |          |              |                              |            |       | 71       |                         |                       |          |          | _           | -            |              | 1        |          |            | 121          |                |          |   |          |          | - |             | - |          | ı    |   |
|   |                 | 22       | _        |          |          |          |          | _        | _            | -                            |            |       | 72       | ·                       |                       |          | 4        | $\perp$     |              |              | $\bot$   |          |            | 122          |                |          |   |          |          |   |             |   |          | ı    |   |
|   | -               | 23<br>24 | -        |          |          |          |          |          | -            | -                            |            | -     | 73<br>74 |                         |                       | -+       | -        | $\dashv$    | +            | -+           |          | -        |            | 123<br>124   |                |          |   |          |          |   |             |   |          | ı    |   |
|   |                 | 25       | _        |          |          |          |          |          |              |                              |            |       | 75       | $\Box$                  | 1                     | +        | +        | $\dashv$    | +            | 7            | $\dashv$ | 1        | -          | 125          | $\vdash$       |          |   |          |          |   |             |   | -        | ı    |   |
|   |                 | 26       |          |          |          |          |          |          |              |                              |            |       | 76       |                         |                       | $\Box$   |          |             |              |              | $\Box$   |          |            | 126          |                |          |   |          |          |   |             |   |          |      |   |
|   |                 | 27<br>28 | -        |          |          |          |          |          | -            |                              | -          |       | 77<br>78 |                         |                       |          |          |             |              | -            |          |          |            | 127          | -              |          |   |          |          |   |             |   |          | ı    |   |
|   |                 | 29       |          |          |          |          |          |          |              | $\vdash$                     |            | -     | 79       | $\vdash$                | $\dashv$              | $\dashv$ | $\dashv$ | 十           | +            | 十            | +        | $\dashv$ |            | 128          | $\vdash$       |          |   | -        |          |   |             |   | $\dashv$ |      |   |
|   |                 | 30       |          |          |          |          |          |          |              |                              |            |       | 80       |                         |                       | $\Box$   |          |             | 1            |              |          |          |            | 130          |                |          |   |          |          |   |             |   |          |      |   |
|   |                 | 31<br>32 | -        | -        |          | $\vdash$ | _        |          | -            | -                            |            |       | 81<br>82 | $\vdash$                | $\dashv$              |          |          | +           | +            | +            | $\dashv$ | $\dashv$ | -          | 131<br>132   | -              | $\dashv$ |   |          |          |   |             |   | $\dashv$ |      |   |
|   |                 | 33       |          |          |          |          | _        |          |              |                              |            |       | 83       |                         |                       | -        | +        | -           | $\dashv$     | $\dashv$     | +        | $\dashv$ | -          | 133          |                |          |   |          |          |   | -           |   |          | ı    |   |
|   |                 | 34       |          |          |          |          |          |          |              |                              |            |       | 84       |                         |                       | $\Box$   |          | $\Box$      |              |              |          |          |            | 134          | П              |          |   |          |          |   |             |   |          |      |   |
|   |                 | 35<br>36 | -        | $\vdash$ |          | $\vdash$ | _        |          | -            |                              | $\vdash$   | -     | 85<br>86 |                         |                       | -        | +        | +           | +            | 4            | +        | $\dashv$ |            | 135<br>136   |                | $\dashv$ |   |          |          |   |             | _ | -        | ı    |   |
|   |                 | 37       |          |          |          |          |          | -        |              |                              |            |       | 87       |                         | +                     | +        | -        | +           | -            | $\dashv$     | -        | $\dashv$ | -          | 137          | ╁              |          |   | -        | -        |   | -           |   | -        | ı    |   |
|   |                 | 38       |          |          |          |          |          |          |              |                              |            |       | 88       |                         |                       |          |          | $\perp$     |              |              | $\Box$   |          |            | 138          |                |          |   |          |          |   |             |   |          | ı    |   |
|   |                 | 39<br>40 | -        | $\vdash$ |          | -        | -        | -        | -            | <u> </u>                     |            |       | 89<br>90 | $\vdash \vdash$         | $\dashv$              |          |          | 4           | -            | 4            | 4        | 4        |            | 139          |                |          |   |          |          |   | $\vdash$    |   | _        | İ    |   |
|   |                 | 41       | -        | $\vdash$ |          | $\vdash$ |          | -        | -            | -                            | H          |       | 90       | $\mid \rightarrow \mid$ | $\dashv$              | $\dashv$ | +        | +           | +            | +            | +        | $\dashv$ | -          | 140<br>141   | -              | $\dashv$ |   |          | $\vdash$ |   | $\vdash$    |   | $\vdash$ | İ    |   |
|   |                 | 42       |          |          |          |          |          |          |              |                              |            |       | 92       |                         |                       |          |          |             | $\exists$    |              |          |          |            | 142          | 1              |          |   |          |          |   |             |   |          | İ    |   |
|   |                 | 43       |          |          |          |          | <b> </b> |          |              | -                            |            | -     | 93       | $\sqcup$                | $\neg$                |          | 1        | $\bot$      | $\bot$       | 4            | $\bot$   |          |            | 143          |                |          |   | <u> </u> |          |   |             |   |          | İ    |   |
|   |                 | 45       | $\vdash$ | H        | $\dashv$ | $\vdash$ | $\vdash$ | É        | <del> </del> | $\vdash$                     |            |       | 94<br>95 | $\vdash$                | -                     | +        | +        | +           | $\dashv$     | +            | +        | -        | -          | 144<br>145   |                | $\vdash$ |   | $\vdash$ | -        |   | -           |   | $\vdash$ | İ    |   |
|   |                 | 46       |          |          |          |          |          |          |              |                              |            |       | 96       |                         |                       | _        | _        | $\dashv$    | -            | +            | +        | -        | -          | 146          |                | $\vdash$ | • | _        |          |   |             |   | -        | İ    |   |
|   |                 | 47       |          |          |          |          |          | <u> </u> | L            | <u> </u>                     |            |       | 97       | П                       |                       | I        |          | 1           | 1            | $\Box$       | $\Box$   |          |            | 147          |                |          | _ |          |          |   |             |   |          | <br> |   |
|   |                 | 48       | -        | -        |          | -        | -        |          | -            |                              | Н          | -     | 98<br>99 | $\vdash \vdash$         | -                     |          | -        | +           | +            | -            | +        | $\dashv$ |            | 148<br>149   |                |          |   | -        | -        | - |             |   |          | l    |   |
|   |                 | 50       |          |          |          |          |          |          |              |                              |            |       | 100      | H                       | $\dashv$              |          | +        | +           | $\dashv$     | +            | +        | $\dashv$ | -          | 150          |                | Н        |   |          | Н        |   |             |   | -        |      |   |
|   |                 |          |          | -        |          |          |          |          | _            | _                            |            |       |          |                         |                       |          |          |             |              |              |          |          | ٠          |              |                |          |   |          |          |   |             |   |          |      |   |